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BANGALORE UNIVERSITY
DEPARTMENT OF CIVIL ENGINEERING

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JNANA BHARATHI
BANGALORE - 560 056

BUB/CTE/2014-15/ **Date: 05-03-2015**

TEST REPORT ON WET MIX MACADAM MIX
(GRADATION TEST)

Sub: To conduct Gradation test on Wet Mix Macadam (WMM) Mix.
{Project*:Asphalting to road at 1st and2nd Main Nanjappa Layout in Ward No.10 of Vidyaranyapure Sub-Division}

Ref.: Letter No. Testing/BUB/2014-15, dated 02-03-2015

Sample supplied to lab by: Sri.Aswathnarayana Anjanappa, Contractor, Bangalore.

Report required for: Assistant Executive Engineer, Vidyaranyapure Sub-Division. BBMP, Bangalore.

TEST RESULTS

1. Gradation Test:

TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, IV Revision-2001
53.00	**100.00**	100
45.00	**96.70**	95-100
26.50	**---**	-
22.40	**75.90**	60-80
11.20	**46.70**	40-60
4.75	**35.90**	25-40
2.36	**22.10**	15-30
0.600	**19.50**	8-22
0.075	**3.40**	0-8

*As Furnished by Client

The Results relate only to the items tested

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ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರ
ವಿದ್ಯಾರಣ್ಯಪುರ ಉಪ ವಿಭಾಗ
ಯಲಹಂಕ ವಲಯ,
ಬೃ. ಬೆಂ. ಮ. ಪಾ. ಬೆಂಗಳೂರು-97.

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BANGALORE UNIVERSITY
DEPARTMENT OF CIVIL ENGINEERING

Date: 05-03-2015

TABLE 12 :

SL No	Test conducted	Sample No	Results	Requirements as per IS:383-1970 & Test Conforms to IS 2386(Part I to IV) – 1963 (Reaffirmed on 2007)
1	Flakiness & Elongation Index	01	**24.30%**	Not more than 30 %
2	Impact Value	----,,----	**25.10%**	Not more then 24.00 % for BC Not more then 27.00 % for DBM Not more then 30.00 % for BM/WMM

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BUB/CTE/2014-15/

Date: 19-03-2015

TEST REPORT ON BITUMINOUS MIXES
(BITUMEN EXTRACTION TEST & GRADATION TEST)

Sub: Testing of Bitumen Premix Sample (Semi Dense Bituminous Concrete-SDBC).
{Project*:Asphalting to road at 1st and2nd Main Nanjappa Layout in Ward No.10 of Vidyaranyapure Sub-Division}

Ref.: Letter No. Testing/BUB/2014-15, dated 16-03-2015

Sample supplied to lab by: Sri.Aswathnarayana Anjanappa, Contractor, Bangalore.

Report required for: Assistant Executive Engineer,
Vidyaranyapure Sub-Division.
BBMP, Bangalore.

TEST RESULTS:

3. The bitumen content obtained after subjecting the sample for Bitumen Extraction test = **5.05 %**
4. **Gradation Test** :

Sieve Size, mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Gradation requirement as per Table 500-15 of MORTH Specifications-2001 (Grading – 2)
13.2	**100**	100
9.5	**97.80**	90—100
4.75	**45.70**	35—51
2.36	**37.30**	24—39
1.18	**22.00**	15—30
0.3	**16.60**	09—19
0.075	**4.40**	03—08

* As furnished by Client.
The Results relate only to the items tested.

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BANGALORE UNIVERSITY
DEPARTMENT OF CIVIL ENGINEERING

Date: 19-03-2015

TABLE 12 :

SL No	Test conducted	Sample No	Results	Requirements as per IS:383-1970 & Test Conforms to IS 2386(Part I to IV) – 1963 (Reaffirmed on 2007)
1	Flakiness & Elongation Index	01	**24.40%**	Not more than 30 %
2	Impact Value	----,,----	**25.60 %**	Not more then 24.00 % for BC Not more then 27.00 % for DBM Not more then 30.00 % for BM/WMM
3	Water absorption	----,,----	**0.400%**	Not more than 1.0 %
4	Stripping test. (Coating and stripping of Bitumen aggregate mixtures)	----,,----	**97.40 %**	Minimum retained coating 95.0 %

*As Furnished by Client

The Results relate only to the items tested.

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